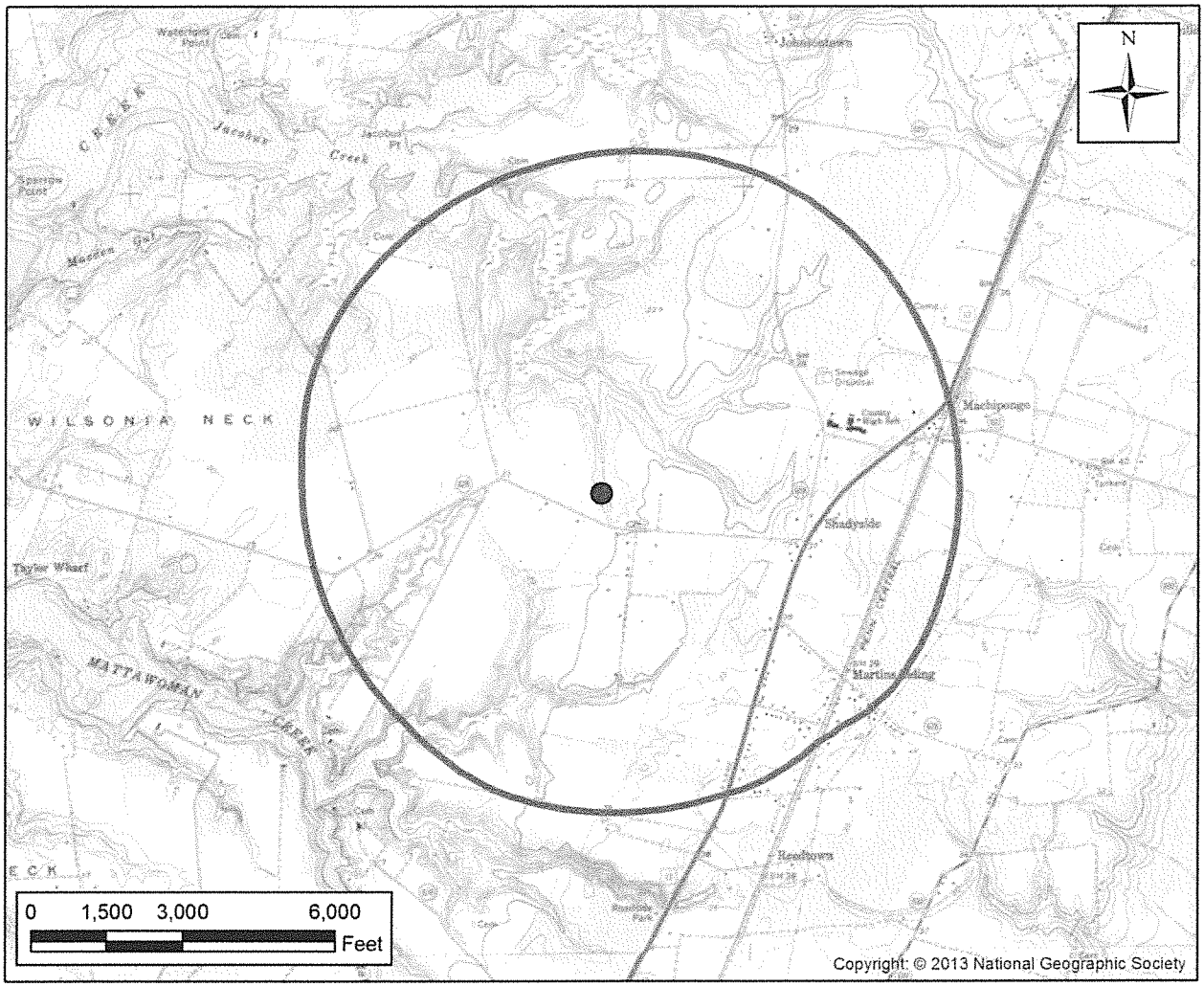
Outten Farm
Area of Impact - Upper Yorktown-Eastover Aquifer



Outten Farm Well

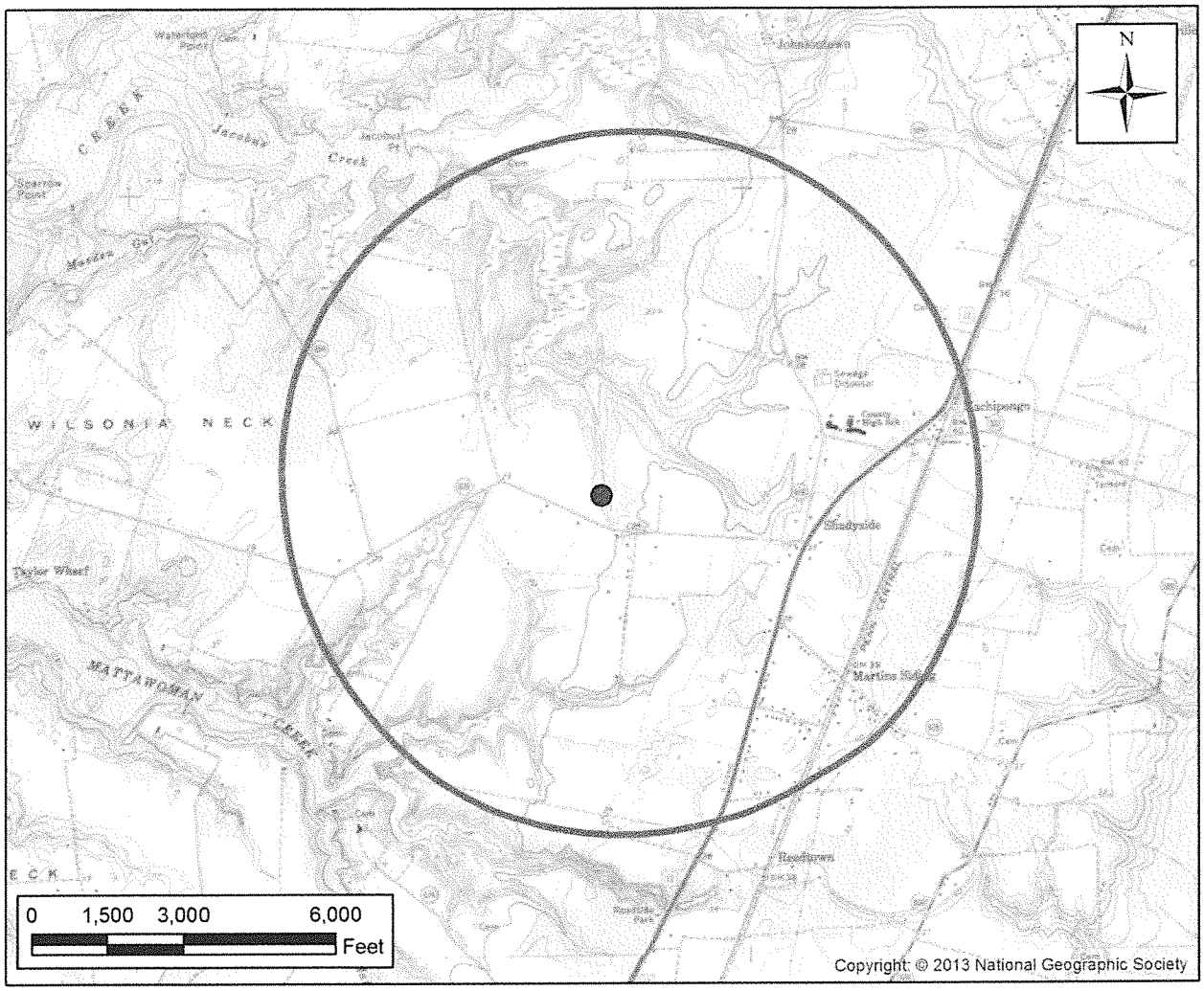
Upper Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Upper Yorktown-Eastover aquifer resulting from a 10 year lump sum of 308,815,000 gallons simulated for 7 years at 42,455,000 gallons per year followed by 16 days at 22,623,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.4 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply
September 18, 2014

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Outten Farm
Area of Impact - Middle Yorktown-Eastover Aquifer



● Outten Farm Well

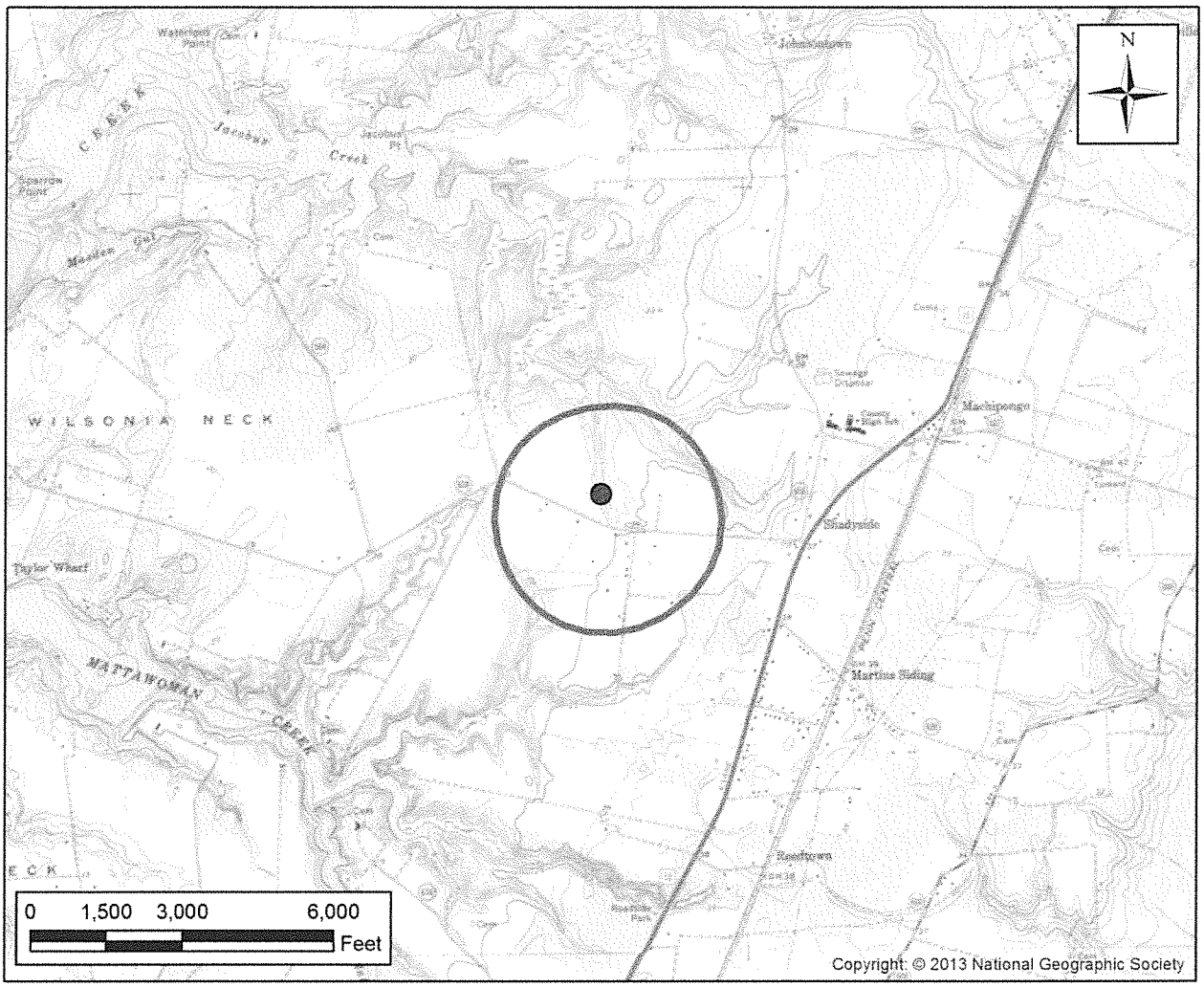
◯ Middle Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 10 year lump sum of 308,815,000 gallons simulated for 7 years at 42,455,000 gallons per year followed by 16 days at 22,623,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.4 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply
September 18, 2014

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Outten Farm
Area of Impact - Lower Yorktown-Eastover Aquifer



● Outten Farm Well

◯ Upper Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 10 year lump sum of 308,815,000 gallons simulated for 7 years at 42,455,000 gallons per year followed by 16 days at 22,623,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 0.5 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply
September 18, 2014

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